

Message

From: Thayer, Kris [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=3CE4AE3F107749C6815F243260DF98C3-THAYER, KRI]
Sent: 4/11/2018 8:49:43 PM
To: Cawley, Michelle [Michelle.Cawley@icf.com]; Henning, Cara [Cara.Henning@icf.com]
Subject: RE: ADME search strategy run for IRIS?

I think we are good! Thanks

From: Cawley, Michelle [mailto:Michelle.Cawley@icf.com]
Sent: Wednesday, April 11, 2018 4:35 PM
To: Thayer, Kris <thayer.kris@epa.gov>; Henning, Cara <Cara.Henning@icf.com>
Subject: RE: ADME search strategy run for IRIS?

Hi Kris,

I just followed up with Janice and I wanted to close the loop with you that we did not do an ADME search for arsenic. I must have been remembering what I did for PCBs (which I already sent). From our digging and checking with Audrey, we did screen a batch of MOA studies that I believe Ryan/HERO identified using clustering. ICF didn't take part in identifying the studies for MOA and again I don't believe we did anything else specific to ADME for arsenic. We did tag studies to ADME that were screened for that effort.

Let us know if you need anything else.

Thank you!
Michelle

From: Thayer, Kris [mailto:thayer.kris@epa.gov]
Sent: Wednesday, April 11, 2018 4:39 AM
To: Cawley, Michelle <Michelle.Cawley@icf.com>; Henning, Cara <Cara.Henning@icf.com>
Subject: RE: ADME search strategy run for IRIS?

Thanks Michelle!

So this would be the closest we have to a literature search strategy, correct?

Tier	Terms (searched with OR)	References included in Search	Results	Next Steps
1	<ul style="list-style-type: none">• Pharmacokinetic*• Toxicokinetic*• PBPK• PBTK• ADME	All references, including references sent to clustering and references without author or abstract	486 ^a	Manual review
2	<ul style="list-style-type: none">• Distribut*• Metabol*• Excret*• Absorp*• Eliminat*• Accumulat*• Half-life	All references not included in Tier 1 Search Results	15,585	Manual review of studies predicted to be relevant using DoCTER machine-learning; screening results of Tier 1 keyword

• Retention

search used as training
dataset

From: Cawley, Michelle [<mailto:Michelle.Cawley@icf.com>]

Sent: Tuesday, April 10, 2018 9:39 PM

To: Thayer, Kris <thayer.kris@epa.gov>; Henning, Cara <Cara.Henning@icf.com>

Subject: RE: ADME search strategy run for IRIS?

Hi Kris,

Here is the strategy we used for ADME studies for PCBs. It was a 2-stage approach such that for first stage we searched highly relevant terms in the comprehensive PCBs literature search results and reviewed all results manually. For the second stage we searched lower priority terms and for these results we reviewed only a portion after prioritizing with DoCTER. Let us know if you have questions!

I'll let you know if I find any other ADME strategies. I recall something for Arsenic, but I haven't found it in my files.

Michelle

From: Thayer, Kris [<mailto:thayer.kris@epa.gov>]

Sent: Tuesday, April 10, 2018 12:12 PM

To: Cawley, Michelle <Michelle.Cawley@icf.com>; Henning, Cara <Cara.Henning@icf.com>

Subject: RE: ADME search strategy run for IRIS?

Thanks!!!!

From: Cawley, Michelle [<mailto:Michelle.Cawley@icf.com>]

Sent: Tuesday, April 10, 2018 12:12 PM

To: Thayer, Kris <thayer.kris@epa.gov>; Henning, Cara <Cara.Henning@icf.com>

Subject: RE: ADME search strategy run for IRIS?

Hi Kris,

I'll take a look this afternoon and get back to you shortly. I know we had one for PCBs and I think we had one for Arsenic too. I'll send what I find.

Michelle

From: Thayer, Kris [<mailto:thayer.kris@epa.gov>]

Sent: Tuesday, April 10, 2018 10:11 AM

To: Henning, Cara <Cara.Henning@icf.com>; Cawley, Michelle <Michelle.Cawley@icf.com>

Subject: ADME search strategy run for IRIS?

Hi there, I'm trying to track down an ADME search strategy that ICF might have run for IRIS assessments...do you have this?

Kristina Thayer, Ph.D.

Director, Integrated Risk Information System (IRIS) Division
National Center for Environmental Assessment, NCEA

ORD, USEPA

Mail Code: B243-01

Building: Bldg B (Room B211I)

Research Triangle Park, NC 27711

(919) 541-0152 RTP

(202) 564-1771 Ronald Reagan Building (room 51203)

Skype: kristina.thayer

thayer.kris@epa.gov